Directorate Pan European Single Sky
**ADQ Implementation Support Cell**

EUROCONTROL

# Guidelines for the
# Annotation of data not compliant with Commission Regulation (EU) No 73/2010 (ADQ)

# (Edition 1.0)

| Edition No. | Edition Date | Author | Reason for Change |
|---|---|---|---|
| 1.0 | 11/11/2014 | M. Unterreiner | General revisions; modification of section 5 concerning the EAD |
| 0.3 | 05/04/2011 | M. Rodrigues | Initial release |
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# 1  INTRODUCTION

Commission Regulation (EU) 73/2010[1] (ADQ) Article 7(2) requires that '*Aeronautical information service providers shall ensure that aeronautical data and aeronautical information items published in their AIPs are annotated to indicate those that do not meet the data quality requirements of this regulation*'.

This Regulation shall be applied as from 1$^{st}$ July 2013 for all the aeronautical data and information published or modified after this date [Article 15(1)]. However, the Regulation also provides a transitional provision which allows an extended period, until the 30$^{th}$ June 2017, to bring in line the aeronautical data and information published before the 1$^{st}$ July 2013 [Article 14(2)].

# 2  WHY TO ANNOTATE?

It is because of this transitional period that AISP shall include an annotation for all data and aeronautical information items which are not yet published in accordance with the data quality requirements as defined by ADQ. The aim of such an annotation is to notify the users of the AIP including its data that specific quality requirements are not met and may, therefore, compel limitations in the operational use of the relevant data.

# 3  NEED FOR A HARMONISED APPROACH

It is obvious that a common, harmonized method was required which had to be supported by guidelines. A number of different options were elaborated and the third meeting of the AI Operations Subgroup (AI Operations/3, 24-25 November 2010) concluded that the AIP GEN 1.7 section appeared to be the best compromise to notify those non compliant data items.

This solution appeared to have the following advantages:
- it is simple;
- it meets the purpose in a pragmatic form;
- it can be implemented right away without additional significant system changes;
- it is adequate for the temporary need for these annotations.

However, there were also some disadvantages seen and the AI Operations requested that alternatives based on the GEN 1.7 solution should be defined. Those are outlined below.

# 4  ANNOTATION PRINCIPLES

The following principles apply:

- the solution shall be applied for both the eAIP and paper AIP;

- the use of the 'asterisk' shall be avoided because it is already used for WGS-84 issues;

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[1] As amended by Commission Implementing Regulation (EU) No 1029/2014 of 26 September 2014.

- the procedure of annotation will be required for a limited term period only, namely for data item deficiencies between 1 July 2013 until full compliance to ADQ which shall be achieved latest by 30th June 2017;

- the incompliance shall cover all parts of the AIP, i.e. textual data and charts.

- non-compliant data items shall be individually and explicitly identified and the use of any general statement with the intention to cover a range of data items shall be avoided.

- AIP section GEN 1.7 shall be used to identify non compliant data items. A new sub-header shall be introduced at the end of the current section named: "Data incompliant with European Commission Regulation (EU) No 73/2010 (ADQ)".

  *Note: The current GEN 1.7 section header "GEN 1.7 Differences from ICAO Standards, recommended practices and procedures" is considered adequate and renaming of this section is not foreseen.*

It is assumed that some processes/procedures applied to create the above 'quoted products' need to be adjusted so that inconsistent data items, if any, can be clearly identified and traced inside a given operational environment or system.

Within AIP GEN 1.7 the following two alternatives are proposed. The choice of which depends on national practicalities being either based on the amount of annotations to be published or individual existing operational or technical constraints.

### 4.1  Annotation Alternative 1:

Alternative 1 is recommended if the number of identified incompliances covers no more than two AIP pages.

Within AIP section GEN 1.7, following the ICAO Differences, a new sub-header should be introduced: "Data not compliant with data quality requirements of Commission Regulation (EU) 73/2010 (ADQ)".

The relevant incompliant data items shall be listed in a table, including as a minimum:
- specific data item;
- AIP section(s) concerned;
- reason for Incompliance;
- Notes/remarks.

Proposed table format:

| Data Item | AIP section | Reason for Incompliance | Notes/remarks |
|-----------|-------------|-------------------------|---------------|
|           |             |                         |               |
|           |             |                         |               |
|           |             |                         |               |

### 4.2 Annotation Alternative 2:

Alternative 2 is recommended if the number of incompliances extends more than two AIP pages.

Within AIP section GEN 1.7, following the ICAO Differences, a new sub-header should be introduced: "Data not compliant with data quality requirements of Commission Regulation (EU) 73/2010 (ADQ)".

It should then contain a general (global) statement to indicate: "Several data are not compliant with the given regulation – details can be found [*choice*] attached to the AIP AMDT or online via *<link>*.

The link shall direct the user to a list on the website which must support following minimum requirements:

- the list must be accessible online.
  Note: The indication of 'available on request' or similar, is clearly insufficient.

- the list must be kept up to date and fully synchronized (consistent) with the AIP update cycles, as relevant.

This list should be in the form of a table as indicated under alternative 1 noting that it will be made available to users as an extra element outside the AIP.


## 5 OPERATIONAL IMPLICATIONS

It should be noted that any of the above alternatives assume the general principle that the ADQ non-compliant data items need to be identified and flagged in the database during processing. Procedural and operational processes will have to be defined accordingly.

The EAD has implemented a specific solution using the SDO Data Completeness Tool "SDC Tool" to facilitate the annotation of non-compliant data items. All <u>fully migrated EAD clients</u> are eligible to use this process.

The EAD solution is based on alternative 2 outlined above. A database internal flag of annotated data items will enable the semi-automated production of a table listing all ADQ non-compliant data items in electronic form. This can be achieved by using the SDC Tool with an export to excel with all data elements providing the status of the annotation. This table may then either be printed, attached to the AIP or made available online, as required by the State concerned.

Further information is made available through the EAD Knowledgebase to those clients using the SDC Tool.